

ABS RECORD OF APPROVED CARGO SHIP SAFETY EQUIPMENT

5.07





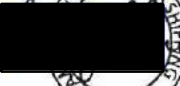

To meet the provisions of the International Convention for the Safety of Life at Sea, 1974 and Admendments thereto
This form must be kept on board and be available for inspection by a nominated Surveyor or recognized Organization all the times

Name of Ship	Distinctive number or letters	Gross Tonnage	Date Keel Laid
EL FARO	561732 WFJK	31515	1974 <small>See note below</small>
Nationality and Port of Registry		Previous Name and Nationality	
United States of America San Juan, PR		Northern Lights, U.S.A Puerto Rico, U.S.A.	
Builders		Yard Number	IMO No.
SUN SHIPBUILDING & DRYDOCK CO.		670	7395351
Class		Type of Ship	
*A1, Vehicle Carrier, @, *AMS		VEHICLE CARRIER	
Name and Address of Owners, Managers or Managing Agents SEA STAR LINE, LLC 8710 LONGSHORE WAY JACKSONVILLE, FLORIDA 32226 U.S.A.			Length of Ship
			B.P. 223.647 m
			Freeboard 3.681 m
			O.A. 241.026 m
Number	Type of Life-Saving Appliances	Persons	Characteristics
1	Lifeboats on portside capable of accommodating	43	Self righting / Partially / Totally enclosed / With self-contained air support system / Fire protected / Open (+)
1	Lifeboats on starboard side capable of accommodating	43	Self righting / Partially / Totally enclosed / With self-contained air support system / Fire protected / Open (+)
1	Motor Lifeboats (included in the total shown above)	43	No. 2 Lifeboat
1	Mechanically propelled lifeboats (included in the total lifeboat shown above)	43	No. 1 Lifeboat
N/A	Free fall lifeboats capable of accommodating:		Self righting / With self-contained air support / Fire protected
1	Rescue boats (included/not included (+) in the total lifeboats shown above) capable of accommodating:	43	No. 2 Lifeboat
N/A	Liferafts for which approved launching devices are required, capable of accommodating		
2	Liferafts for which approved launching devices are not required, capable of accommodating:	50	INFLATABLE
1	Liferafts stowed forward/aft (+) capable of accommodating:	6	INFLATABLE
30	Lifebuoys	---	14 -30", 2-30"w/line, 10-30"w/light, 2-30"w/lt/line, 2-30"w/smoke
46	Lifejackets	---	Safeguard Adult w/ whistle & light
46	Immersion suits	---	Stearns, Baileys, Fitz-Wright, O'Neill, Mustang Adult w/ whistle & light
N/A	Thermal protective aids		
SHIP DEFINITION			APPLICABLE TO NEW SHIPS FORM
NEW + /EXISTING+ SHIP UNDER THE PROVISIONS OF SOLAS 74			25 MAY 1980
NEW + /EXISTING+ SHIP UNDER THE PROVISIONS OF THE 1978 PROTOCOL			1 MAY 1981
NEW + /EXISTING+ SHIP UNDER THE PROVISIONS OF THE 1981 AMENDMENTS TO SOLAS 74			1 SEPTEMBER 1984
NEW + /EXISTING+ SHIP UNDER THE PROVISIONS OF THE 1983 AMENDMENTS TO SOLAS 74			1 JULY 1986
NEW + /EXISTING+ SHIP UNDER THE PROVISIONS OF THE 1987 AMENDMENTS TO SOLAS 74			30 OCTOBER 1988
NEW + /EXISTING+ SHIP UNDER THE PROVISIONS OF THE OCT. 1988 AMENDMENTS TO SOLAS 74			22 OCTOBER 1989
NEW + /EXISTING+ SHIP UNDER THE PROVISIONS OF THE NOV. 1988 AMENDMENTS TO SOLAS 74			29 APRIL 1990
NEW + /EXISTING+ SHIP UNDER THE PROVISIONS OF THE 1989 AMENDMENTS TO SOLAS 74			1 FEBRUARY 1992
NEW + /EXISTING+ SHIP UNDER THE PROVISIONS OF THE 1990 AMENDMENTS TO SOLAS 74			1 FEBRUARY 1992

NOTE: It will be sufficient to indicate the year in which the keel was laid or when the ship was at a similar stage of construction, except 1952, 1965, 1980, 1984, 1986, and 1992, in which cases the actual date should be given









(+) DELETE AS APPROPRIATE

9 EQUIPMENT RENEWALS, ALTERATIONS AND/OR ADDITIONS EFFECTED SINCE THE RECORD WAS PREPARED

Item number (*)	DESCRIPTION	Surveyor	Port	Date
2.2.1	SATELLITE EPIRB (RENEWED - ACR MOD. RLB-32 SN 49989 PLACED IN SERVICE 16 FEB 2007 S-VDR SN A06032- 000937 FURUND 10CM RADAR RPU-013 4366-1477	 D.R. CARR 	JACKSONVILLE FL	23/02/07
		 	MOBILE	02 FEB 2009
		 	MOBILE	02 FEB 2009

(*) Reference is to be made to the items of this record

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umber (*)	DESCRIPTION	Surveyor	Port	Date
2.2.1	SATELLITE EPIRB (RENEWED - ACR) MOD. RLB-32 #N 497189 PLACED IN SERVICE 16 FEB 2007	 S.R. CARR 	JACKSONVILLE FL	23/02/07
	S-VDR SN A06032- 000937	 	MOBILE	02 FEB 2009
	FURUND 10CM RADAR RPU-013 4366-1477	 	MOBILE	02 FEB 2009
	LONG RANGE IDENTIFICATION AND TRACKING (LRIT)	 	BALTIMORE, MD U.S.A.	02 APRIL 2010

(*) Reference is to be made to the items of this record



Lincoln McRae/Seastarline
04/16/2010 08:53 PM

To Jim Colman [REDACTED], Frances
Joseph [REDACTED], Bill
Weisenborn [REDACTED], Bill

cc

bcc

Subject Fw: ABS Record of Cargo Ship Safety Equipment

Best Regards

Skip

Lincoln " Skip " McRae
Manager Marine Engineering
Seastar Line
PH. [REDACTED]
FAX [REDACTED]
CELL [REDACTED]

----- Forwarded by Lincoln McRae/Seastarline on 04/16/2010 08:51 PM -----



El Faro
<captain [REDACTED]>
04/16/2010 08:41 PM

To Skip McRae [REDACTED]
cc

Subject ABS Record of Cargo Ship Safety Equipment

Skip,
The above document is on board.
It was / is in the document binder.
(It is NOT noted in the Table of Contents.)
On the day ABS had the coffee table in the Chief's office all covered with
our documents they had taken it out and left it in the pile, then shifted it
to the Chief's file cabinet work surface where it sat until after you left
the vessel today and Chuck asked me if I recognized as he was reclaiming his
office from the last weeks activity.
It does have the LRIT endorsement completed / entered on the day we did the
rest of the Safety Equipment.

Lesson?
Don't let regulatories handle the whole document binder?

Earl



ABS Record of Approved Cargo Ship Safety Equipment.jpg

ABS RECORD OF APPROVED CARGO SHIP SAFETY EQUIPMENT

Document No.: 7500265-000941-001

To meet the provisions of the International Convention for the Safety of Life at Sea, 1974 and Amendments thereto
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Builders SUN SHIPBUILDING & DRYDOCK CO.		Yard Number 670	IMO No. 7395351
Class *A1, Vehicle Carrier, @, *AMS		Type of Ship VEHICLE CARRIER	
Name and Address of Owners, Managers or Managing Agents SEA STAR LINE, LLC 8710 LONGSHORE WAY JACKSONVILLE, FLORIDA 32226 U.S.A.		Length of Ship	
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1.1 SHIPBORNE NAVIGATIONAL EQUIPMENT (Reg. V / 12; 19)				
Item of Equipment		Manufacturer	Type and Serial No.	Approved by
1.1.1	Standard magnetic compass	Baker Lyman	S/N 8812	
1.1.2	Steering magnetic compass (alternative to 1.1.3)	N/A	N/A	
1.1.3	Heading information provided by standard magnetic compass readable at the main steering position (alternative to 1.1.2)	Baker Lyman Periscope		
1.1.4	Means of communication between standard compass and normal navigational control position	Periscope/Visual		
1.1.5	Means of taking bearings through 360	Sperry Marine, Two(2) fitted	8" Bearing Circle S/N 1340675, 1340661	
1.1.6	Magnetic compass table of residual deviation	YES		
1.1.7	Spare magnetic compass	N/A		
1.1.8	Gyro compass Master gyro compass Gyro repeater	Yokogawa Navitech Furuno	Model KM-008-E, S/N 1515 Model AD100, S/N 0988	
1.1.9	Heading information at emergency steering position	Sperry Marine	Repeater, S/N 1420310	
1.1.10	Radar number one (.)	Raytheon Pathfinder	Model M28178, S/N LL24738	
1.1.11	Radar number two (..)	Raytheon Pathfinder	Model M28178, S/N LL13170	
1.1.12	Radar plotting facilities	YES		
1.1.13	Automatic Radar Plotting Aid (ARPA)	Raytheon Pathfinder	Model M28178, S/N LL13170	
1.1.14	Echo-sounding device	Raytheon	Model DE-740, S/N 6269	
1.1.15	Speed and distance indicator	N/A		
1.1.16	Rudder angle indicator	Sperry Marine		
1.1.17	Propeller revolution counter	Sperry Marine	Analog	
1.1.18	Propeller pitch and operational mode indicator (...)	N/A		
1.1.19	Rate of turn indicator	Sperry Marine	Digital	
1.1.20	Radio direction finding apparatus	N/A		
1.1.21	2182 kHz horn on the radiotelephone distress frequency	N/A		
1.1.22	Auto-pilot	Sperry Marine	Adaptive Digital Gyro Pilot	
(.)	One radar installation is required for ships of 500 tons gross tonnage and upwards constructed on or after 1 Sep 84 and for ships of 1600 tons gross tonnage and upwards constructed before such a date			
(..)	Two radar installations, each capable of being operated independently of the other is required for ships of 10,000 tons gross tonnage and upwards			
(...)	Required for variable pitch or lateral thrust propellers			
1.1.23	Emergency source of power for auto-pilot is provided	Emergency Diesel Generator	Diesel Engine	
1.1.24	Auto-pilot is fitted with an off-course audible alarm signal	YES		
1.2	NAVIGATION LIGHTS (Distances) (Write in appropriate measurements below)			
	Application of the International Collision Regulations, 1972, as amended in November 1981 and November 1987 by IMO Resolutions A.464(XII) and A.626 (15) (where two masthead lights are fitted)			
1.2.1	(The following information may be provided from plans, if available)			
1.2.1.1	Horizontal distance, in meters, of the fore masthead light abaft top of stem:	11.35 m		
1.2.1.2	Horizontal distance, in meters, between fore masthead and main masthead lights:	151.2 m		
1.2.1.3	Vertical height, in meters, above waterline in lightest ballast condition of fore masthead light:			
1.2.1.4	Vertical height, in meters, above waterline in lightest ballast condition of main masthead light:			
1.2.1.5	Vertical height, in meters, above the uppermost continuous deck of side lights:	9.2 m		
1.2.1.6	Vertical height, in meters, above the uppermost continuous deck of fore masthead light:	12.1 m		
1.2.1.7	Vertical height, in meters, above the uppermost continuous deck of main masthead light:	25.48 m		

1.3 NAVIGATION LIGHTS (Characteristics) (Revised International Collision Regulations 1972) (Check appropriate box and fill in information)						
Light		Oil	Electric	Miles Range	Duplex Type	Electrical Source of Power (*)
1.3.1	Fore masthead	N/A	YES	6	YES	ME
1.3.2	Main masthead (**)	N/A	YES	6	YES	ME
1.3.3	Port side	N/A	YES	3	YES	ME
1.3.4	Starboard side	N/A	YES	3	YES	ME
1.3.5	Stern	N/A	YES	3	YES	ME
1.3.6	Towing	N/A	N/A	N/A	N/A	N/A
1.3.7	Anchor No.1 (fwd)	N/A	YES	3	YES	ME
1.3.8	Anchor No.2 (aft) (**)	N/A	YES	3	YES	ME
1.3.9	Not Under Command No.1	N/A	YES	3	YES	ME
1.3.10	Not Under Command No.2	N/A	YES	3	YES	ME
1.3.11	At least on complete set of spare bulbs is provided (yes/no)					YES
1.3.12	Sidelights are fitted with inboard screens painted matte black (yes/no)					YES
1.3.13	Positions of navigation lights comply with items 2 and 3 of Annex 1 of Revised COLREGS 1972 (yes/no)					YES

(*) Indicate "M" for main supply "E" for emergency supply and "ME" for main and emergency supply

(**) No required on ships with overall length less than 50 m

1.4 SIGNALING APPARATUS (Reg. V / 11; Revised COREGS 1972) (fill in information as requested)

Apparatus		No.	Description	Location
1.4.1	Daylight signaling lamp	1	Carlisle Finch 12" Main & Emergency Power	NAV BRIDGE
	Relevant source of power			
1.4.2	Forecastle bell	1	14" Bronze Bell w/ striker	FORECASTLE
1.4.3	Gong (with striker)	1	16" Steel w/ striker	NAV BRIDGE
1.4.4	Ship's whistle	One (1) Fwd One (1) Aft	Kahlenberg, Model S-120 Airchime, Model EP-90	FORE MAST AFT MAST
1.4.5	3 black ball shapes	Three (3)	FABRIC WITH WIRE	NAV BRIDGE
1.4.6	1 black diamond shape	One (1)	FABRIC WITH WIRE	NAV BRIDGE
1.4.7	1 cylindrical shape, if applicable	Two (2)	FABRIC WITH WIRE & WOOD	NAV BRIDGE
1.4.8	Main and emergency power supplies for the ship's whistle are provided (*)			YES

(*) When only one electrically powered whistle is fitted

1.5 PILOT LADDERS AND MECHANICAL PILOT HOISTS (Reg. V / 17) (Fill in information as requested)

1.5.1	Pilot ladder provided for safe embarkation and disembarkation of pilots with provisions for adequate overside lighting			YES
1.5.2	Bulwark ladder / hinged rail section (+) provided			N/A
1.5.3	Mechanical pilot hoist provided			N/A
	Maker	N/A		
	Approved by			
	Source of power			
	No. of falls			
	Material			Length
	Construction			Size

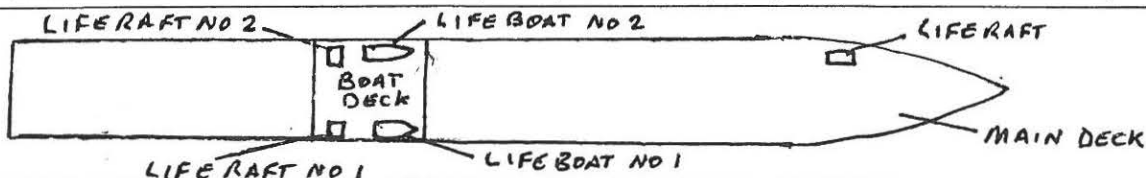
		Location
1.5.4	Accommodation ladder provided (*)	Main Deck, Frame 188 Stbd
	Length 16.8 M Material Steel	
(*) Required only for use of pilots when distance from sea level to the ship is more than 9 m in any seagoing conditions.		

2 LIFE-SAVING APPLIANCES

2.1	LINE THROWING APPLIANCES; ROCKETS AND SIGNALS (Reg. III / 6; 17; 49)		
	Item		Location
2.1.1	Line throwing appliances with 4 rockets and lines		NAV BRIDGE
2.1.2	12 parachute distress signals		NAV BRIDGE
2.2	COMMUNICATIONS (Reg. III / 6)		
	Item	Make, Type and Serial No.	Location
2.2.1	Satellite emergency position-indicating radio beacon	ALDEN MARINE, SAT-FIND-406, S/N 44869 SEE PG. 26	NAV BRIDGE
2.2.2	Radar transponders No. TWO sets provided	JOTRON, TRON SART, S/N 595 & 601	NAV BRIDGE
2.2.3	Two way radiotelephone apparatus, Set No.1	ACR ELECTRONICS, SURVIVAL RADIO, S/N 952061	NAV BRIDGE
2.2.4	Two way radiotelephone apparatus, Set No.2	ACR ELECTRONICS, SURVIVAL RADIO, S/N 14609	NAV BRIDGE
2.2.5	Two way radiotelephone apparatus, Set No.3	ACR ELECTRONICS, SURVIVAL RADIO, S/N 95703	NAV BRIDGE
2.2.6	Emergency means for two way communications between emergency control stations, muster and embarkation stations and strategic positions on board (*)	PORTABLE VHF RADIOS	NAV BRIDGE
2.2.7	Public address system (*)	N/A	

(*) Applicable only to ships constructed on or after 1 July 1986

2.3 LOCATION OF SURVIVAL CRAFT AND RESCUE BOATS (Draw in plane view of ship configuration and location of survival craft)



Indicate superstructures and positions of lifeboats and liferafts and rescue boats. Indicate "M" for motor boats; "MP" for mechanically propelled boats; "R" for rowing boats
 "F" for free fall boats; "LR" for liferafts and "RB" for rescue boats.
 Lifeboats numbered from forward; odd numbers starboard side and even numbers portside.

2.4 LIFEBOATS (Reg. III / 26) (fill in characteristics for each lifeboat below)

	Characteristics	No. 1 (s.s.f.)	No. 2 (p.s.f.)	No. 3 (s.s.a.)	No. 4 (p.s.a.)
2.4.1	Capacity (no. of persons)	43	43	N/A	N/A
2.4.2	Dimensions (m)	Length	8.08 m	8.08 m	N/A
2.4.3		Breadth	2.74 m	2.74 m	N/A
2.4.4		Depth	1.17 m	1.17 m	N/A
2.4.5	Material	Fiber Reinforced Plastic	Fiber Reinforced Plastic	N/A	N/A
2.4.6	Weight (*)	5.36 kg	5.80 kg	N/A	N/A
2.4.7	Cubic capacity (m3)	15 m3	13.6 m3	N/A	N/A
2.4.8	Free fall	N/A	N/A	N/A	N/A

<i>Characteristics</i>		<i>No. 1 (s.s.f.)</i>	<i>No. 2 (p.s.f.)</i>	<i>No. 3 (s.s.a.)</i>	<i>No. 4 (p.s.a.)</i>
2.4.9	Totally enclosed	N/A	N/A	N/A	N/A
2.4.10	Partially enclosed	N/A	N/A	N/A	N/A
2.4.11	Open (**)	YES	YES	N/A	N/A
2.4.12	Motor	NO	YES	N/A	N/A
2.4.13	Mechanically propelled (**)	YES	NO	N/A	N/A
2.4.14	Rowing (**)	NO	NO	N/A	N/A
2.4.15	Self-righting	NO	NO	N/A	N/A
2.4.16	With external fire protection	NO	NO	N/A	N/A
2.4.17	With self-contained air supply system	NO	NO	N/A	N/A
2.4.18	Number and sizes of air bottles for boat in 2.4.17	N/A	N/A	N/A	N/A
2.4.19	Manufacturer	MASECO	MASECO	N/A	N/A
2.4.20	Approved by:	USCG *	USCG	N/A	N/A
2.4.21	Used as a rescue boat	NO	YES	N/A	N/A

(*) Fully loaded and equipped

(**) Allowable only on ships constructed before 1 July 1986

2.5 LIFEBOAT EQUIPMENT (Reg. III / 41; 44)

Each lifeboat is equipped as follows (Indicate number of items provided or yes, no, N/A, as appropriate)

<i>Item</i>		<i>Boat Number</i>			
		1	2	3	4
2.5.1	Number of persons the lifeboat is certified to carry	43	43	N/A	N/A
2.5.2	Number of rowing thwarts	2	2	N/A	N/A
2.5.3	Number of rowing oars	8	8	N/A	N/A
2.5.4	Steering oar	1	1	N/A	N/A
2.5.5	Number of crutches or equivalent arrangements	4	4	N/A	N/A
2.5.6	Number of plugs with chain attached	1	1	N/A	N/A
2.5.7	Number of automatic drain valves fitted	1	1	N/A	N/A
2.5.8	Rudder (attached with tiller)	YES	YES	N/A	N/A
2.5.9	Lifeline becketed around outside of boat	YES	YES	N/A	N/A
2.5.10	Hand holds on underside of the hull (only for non self-righting boats)	YES	YES	N/A	N/A
2.5.11	Grablines gunwale to gunwale (2 minimum)	YES	YES	N/A	N/A
2.5.12	Bilge pump manually operated (1)	YES	YES	N/A	N/A
2.5.13	Lockers for small items of equipment	YES	YES	N/A	N/A
2.5.14	Painters, 1 secured to stern, 1 secured forward, with release device able to operate under tension	YES	YES	N/A	N/A
2.5.15	Light buoyant heaving lines (2)	YES	YES	N/A	N/A
2.5.16	Boat hooks (2 for "M" and "MP" boats)	YES	YES	N/A	N/A
2.5.17	Food ration of approved type in airtight receptacles stowed in airtight containers totaling not less than 1000 kJ per person	YES	YES	N/A	N/A
2.5.18	Fresh water (3 liters or 6 pints per person) in watertight receptacles or containers	YES	YES	N/A	N/A

2.5.19	Water de-salting apparatus complying with Regulation III/41.8.9	YES	YES	N/A	N/A
2.5.20	Parachute signals, re (4)	YES	YES	N/A	N/A
2.5.21	Hand flares, red (6)	YES	YES	N/A	N/A
2.5.22	Mast(s) and sails (for existing ships with only open boats other than "M" or "MP" boats)	N/A	N/A	N/A	N/A
2.5.23	One anti-exposure cover of highly visible color (for existing ships with open boats only)	YES	YES	N/A	N/A
2.5.24	Buoyant smoke signals, orange (2)	YES	YES	N/A	N/A
2.5.25	Bailer with lanyard (1)	YES	YES	N/A	N/A
2.5.26	Buckets with lanyards (2)	YES	YES	N/A	N/A
2.5.27	Hackets with lanyards (2), one at each end of boat	YES	YES	N/A	N/A
2.5.28	Compass in binnacle, efficiently luminized or illuminated	YES	YES	N/A	N/A
2.5.29	Sea anchor (1), with shock resistant hawser and tripping line	YES	YES	N/A	N/A
2.5.30	Rustproof dipper with lanyard (1)	YES	YES	N/A	N/A
2.5.31	Rustproof graduated drinking vessel (1)	YES	YES	N/A	N/A
2.5.32	First aid outfit of an approved type in watertight case	YES	YES	N/A	N/A
2.5.33	Electric torch, waterproof, suitable for Morse signaling (1), with a spare set of batteries and spare bulb in waterproof container	YES	YES	N/A	N/A
2.5.34	Daylight signaling mirror (1)	YES	YES	N/A	N/A
2.5.35	Jack-knife (1) attached to boat with lanyard	YES	YES	N/A	N/A
2.5.36	Whistle or equivalent sound signal (1)	YES	YES	N/A	N/A
2.5.37	Fishing tackle; (1 set)	YES	YES	N/A	N/A
2.5.39	Short ladder or other means of climbing into the upright boat from water	YES	YES	N/A	N/A
2.5.40	Skates or fenders to facilitate launching against adverse list	YES	YES	N/A	N/A
2.5.41+	Survival manual (1)	YES	YES	N/A	N/A
2.5.42+	Anti-seasickness medicine (6 doses per person)	YES	YES	N/A	N/A
2.5.43+	Seasickness bag (1 per person)	YES	YES	N/A	N/A
2.5.44+	Tin-openers (3)	YES	YES	N/A	N/A
2.5.45+	Searchlight (1)	N/A	YES	N/A	N/A
2.5.46+	Efficient radar reflector or radar transponder	YES	YES	N/A	N/A
2.5.47+	Thermal protective aids (for 10% of persons, whichever is the greater)	YES	YES	N/A	N/A
2.5.48+	Manually controlled internal and external lamps capable of being operated for at least 12 hours.	YES	YES	N/A	N/A
2.5.49	12 hour oil supply for lamp (for vessels built before 1 July 1986)	YES	YES	N/A	N/A
2.5.50+	Sufficient tools for small adjustments to the engine and its accessories	N/A	YES	N/A	N/A
2.5.51+	A safety belt fitted at each seating position	N/A	N/A	N/A	N/A
2.5.52	Approved portable fire extinguisher for oil fires (motor life boats)	N/A	YES	N/A	N/A

+ Denotes additional equipment for vessels built on or after 1 July 1986

ADDITIONAL REQUIREMENTS FOR PARTIALLY /TOTALLY ENCLOSED LIFEBOATS:

2.5.53	Effectgve means of bailing	N/A	N/A	N/A	N/A
2.5.54	Automatic self-bailing arrangement	N/A	N/A	N/A	N/A
2.5.55	Permanently attached rigid anti-exposure cover in way of open part of boat	N/A	N/A	N/A	N/A
2.5.56	Permanently attached foldable canopy providing weatherproof shelter	N/A	N/A	N/A	N/A
2.5.57	Means of collecting rainwater on the foldable cover	N/A	N/A	N/A	N/A

MOTOR LIFEBOATS-ENGINE TYPE-CHARACTERISTICS AND EQUIPMENT (Reg. III / 41.6)

2.5.58	Compression ignition propulsion engine	N/A	YES	N/A	N/A
2.5.59	Engine power (kW) (Indicate kW)	N/A	27.59 kW	N/A	N/A
2.5.60	Starting system with two independent rechargeable energy sources / manual starting system (+)	N/A	YES	N/A	N/A
2.5.61	Speed ahead in smooth water fully loaded (knots)	N/A	8 kts	N/A	N/A
2.5.62	Fuel capacity sufficient for 24 hrs running (liters)	N/A	YES	N/A	N/A
2.5.63	Portable fire extinguishers suitable for oil fires	N/A	YES	N/A	N/A
2.5.64	Propeller guard provided	NO	NO	N/A	N/A
2.5.65	Exhaust gas pipe provided with means to prevent ingress of water to engine	N/A	YES	N/A	N/A
2.5.66	Engine and accessories enclosed in a fire retarding casing	N/A	YES	N/A	N/A
2.5.67	Means provided for recharging starting, radio and searchlight batteries	N/A	YES	N/A	N/A
2.5.68	Water resistant instructions for starting and operating the engine	N/A	YES	N/A	N/A

2.6 MARKING OF LIFEBOATS (Reg. III / 41)

Item		Boat Number			
		1	2	3	4
2.6.1	Dimensions and number of persons it is permitted to carry (Indicate)	26.5' x 9' x 3.83' 43 PERSONS	26.5' x 9' x 3.83' 43 PERSONS	N/A	N/A
2.6.2	Name and port of registry of the ship to (yes/no)	YES	YES	N/A	N/A
2.6.3	The means of identifying the ship/lifeboat number from above (yes/no)	YES	YES	N/A	N/A

2.7 LIFEBOAT LAUNCHING APPLIANCES AND LIFEBOAT RELEASING MECHANISM (Re. III / 41;48)

Appliance		Maker, type and serial No.	S.W.L.	Approved by
2.7.1	Davits	MAESCO, GRAVITY, 26-15	6804 kG	USCG
2.7.2	Winches	MAESCO, 35G MK II	6804 kG	USCG
2.7.3	Falls: Length and size <u>300' x 9/16" & 280' x 9/16"</u> Construction <u>Improved Plow Steel w/ fiber core</u> Corrosion resistant <u>YES</u> Rotation resistant <u>YES</u> Breaking load <u>14.4 Tons</u>			
2.7.4	Mechanism fitted for simultaneous releasing of lower fall blocks from all lifting hooks			YES

2.7.5.1	If a release mechanism is fitted, it is capable of releasing the lifeboat when waterborne/no load on hook: and	
2.7.5.2	With a load on the hooks equal to 1.1 times the total mass of the lifeboat when loaded with the full complement of persons and equipment	YES
2.7.5.3	The on load release capability is adequately protected against accidental or premature use	YES
2.7.5.4	The launching appliance operator on the ship is able to observe the lifeboat at all times during launching and recovery	YES
2.7.5.6	The appliance is capable of recovering the lifeboat with a maximum of <u>43</u> persons on board the lifeboat	YES
2.7.7	Launch track and recovery arrangement are provided for free-fall lifeboats	N/A

2.8 LIFERAFTS (Reg. III / 38; 39; 40)

2.8.1 Liferrafts excluding any liferaft stowed forward or aft for compliance with Re. III / 26.3.2

No.	Description	Maker and Serial Number	No. of persons	Location	Approval Authority	Davit launched (yes/no)	Transferable side to side (yes/no)	Date of manufacture
1	INFLATABLE, 25DK+	Viking, S/N 10245946	25	BOAT DECK STBD	USCG	NO	YES	11/2005
2	INFLATABLE, 25DK+	Viking, S/N 10245947	25	BOAT DECK PORT	USCG	NO	YES	11/2005

2.8.2 Additional liferafts forward or aft (Reg. III / 26.3.2)

No.	Description	Maker and Serial Number	No. of persons	Location	Approval Authority	Davit launched (yes/no)	Transferable side to side (yes/no)	Date of manufacture
3	INFLATABLE, MK II	Switlik, S/N 10	6	PORT BOW	USCG	NO	YES	10/1997

2.9 MARKING OF INFLATABLE LIFERAFT CONTAINERS (Reg. III / 30) (Fill in info as requested and yes, no, n/a)

Each liferaft container is marked with:

2.9.1	The Maker's name or trademark	YES
2.9.2	The serial number of the raft	YES
2.9.3	The name of the approving Authority	YES
2.9.4	The type of emergency pack enclosed	TYPE A
2.9.5	The length of painter (<u>36</u> meters)	Two (2) Aft 36 m, Bow 59.4 m
2.9.6	Launching instructions	YES
2.9.7	The maximum permitted stowage height above the waterline (<u>25</u> meters)	Two (2) Aft 25 m, Bow 19.8 m
2.9.7.1	The actual stowage height, in meters is:	Two (2) Aft 23.44 m, Bow 13.62 m

2.10 MARKING OF RIGID LIFERAFTS (Reg. III / 40.7)

Each rigid liferaft is marked with:

2.10.1	The name and port of registry of the ship to which it belongs	N/A
2.10.2	The marker's name or trademark	N/A
2.10.3	The serial number of the raft	N/A
2.10.4	The name of approving Authority	N/A
2.10.5	At each entrance, the number of persons it is certified to accommodate	N/A

2.10.6	SOLAS	N/A
2.10.7	The type of the emergency pack enclosed	N/A
2.10.8	The length of painter (meters)	N/A
2.10.9	Launching instructions	N/A
2.10.10	The maximum permitted stowage height above the waterline (meters)	N/A
2.10.10.1	The actual stowage height, in meters is:	

2.11 RIGID LIFERAFT EQUIPMENT (Reg. III / 38.5) (Fill in number requested or yes, no, N/A, as applicable)

Item		Raft Number			
		1	2	3	4
2.11.1	Number of persons the liferaft is certified to carry	N/A	N/A	N/A	N/A
2.11.2	Painter (1) attached of length not less than twice the distance from the stowed position to the waterline at lightest sea-going draught (min. 15m)	N/A	N/A	N/A	N/A
2.11.3	Lifeline becketed around outside of raft	N/A	N/A	N/A	N/A
2.11.4	Lifeline around inside of raft	N/A	N/A	N/A	N/A
2.11.5	Sea anchor ((1) permanently attached and one spare) with shock resistant hawser and tripping line	N/A	N/A	N/A	N/A
2.11.6	Buoyant battery light attached by lanyard (1) (+)	N/A	N/A	N/A	N/A
2.11.7	Food ration approved type in airtight packaging stowed in watertight containers totaling not less than 10,000 kJ per person	N/A	N/A	N/A	N/A
2.11.8	Fresh water in watertight receptacles (1.5 liters per person)	N/A	N/A	N/A	N/A
2.11.9	Anti-seasickness doses, 6 per person	N/A	N/A	N/A	N/A
2.11.10	Buoyant paddles (2)	N/A	N/A	N/A	N/A
2.11.11	First aid outfit of approved type in waterproof case (1)	N/A	N/A	N/A	N/A
2.11.12	Parachute signals, red (4)	N/A	N/A	N/A	N/A
2.11.13	Hand flares, red (6)	N/A	N/A	N/A	N/A
2.11.14	Buoyant smoke signals (2)	N/A	N/A	N/A	N/A
2.11.15	Buoyant rescue quito with 30 m buoyant line attached (1)	N/A	N/A	N/A	N/A
2.11.16	Knife (1 for rafts carrying less than 13 persons) (2 each for rafts carrying 13 or more persons)	N/A	N/A	N/A	N/A
2.11.17	Bailer (1 for rafts carrying less than 13 persons) (2 each for rafts carrying 13 or more persons)	N/A	N/A	N/A	N/A
2.11.18	Sponges (2)	N/A	N/A	N/A	N/A
2.11.19	Tin openers (3)	N/A	N/A	N/A	N/A
2.11.20	Graduated drinking vessel, rustproof (1)	N/A	N/A	N/A	N/A
2.11.21	Electric torch, waterproof, suitable for Morse Code signaling (1) with spare set of batteries and spare bulb in waterproof case	N/A	N/A	N/A	N/A
2.11.22	Daylight signaling mirror with instructions (1)	N/A	N/A	N/A	N/A

Item		1	2	3	4
2.11.23	Signaling whistle or equivalent sound signal (1)	N/A	N/A	N/A	N/A
2.11.24	Fishing tackle (1 set)	N/A	N/A	N/A	N/A
2.11.25	Compass in binnacle, efficiently luminized or illuminated	N/A	N/A	N/A	N/A
2.11.26	Life-saving signals illustrated waterproof table (1)	N/A	N/A	N/A	N/A
2.11.27	Instructions for immediate actions	N/A	N/A	N/A	N/A
2.11.28	Seasickness bags (1 per person)	N/A	N/A	N/A	N/A
2.11.29	Efficient radar reflector (1)	N/A	N/A	N/A	N/A
2.11.30	Manually controlled internal and external amps capable of being operated for at least 12 hours	N/A	N/A	N/A	N/A
(*) Only ships constructed before 1 July 1986					
2.11.31	Arrangement provided for sitting and securing portable radio	N/A	N/A	N/A	N/A
2.11.32	Thermal protective aids (for 10% or 2 persons, whichever is greater)	N/A	N/A	N/A	N/A
2.12 LIFERAFT LAUNCHING ARRANGEMENTS (Reg. III / 29)					
2.12.1	Each liferaft stowed with its painter attached to the ship				YES
2.12.2	Each liferaft stowed able to float free from the ship				YES
2.12.3	If stowed lashed, each liferaft lashing is fitted with hydrostatic release (*)				YES
2.12.4	The release hook is able to operate only in the "on load" condition (for davit-launched liferafts)				N/A
2.12.5	Maker and type of liferaft davits	N/A			N/A
	Liferaft davit SWL	N/A			
(*) Requirement not applicable to liferafts fitted for compliance with Reg. III / 26.1.4					
2.13 RESCUE BOAT (Reg. III / 47)					
Boat Number	Type, material and identification Number	Certified for:		Internal buoyancy	Approved by
		No. of Persons	Weight-full-load		
2	MAESCO, Fiber Reinforced Plastic (FRP)	43	5,798 kG	FOAM	USCG
2.14 RESCUE BOAT EQUIPMENT (Reg. III / 47.2)					
Item					
2.14.1	Painter of sufficient length and strength at the fore end (1)				YES
2.14.2	Sufficient oars or paddles to make headway in calm sea				YES
2.14.3	Thole pins, crutches or equivalent for each oar				YES
2.14.4	Thole pins or crutches are attached by lanyard or chain to the boat				YES
2.14.5	One buoyant bailer				YES
2.14.6	One binnacle containing an efficient luminous compass				YES
2.14.7	One sea anchor and tripping line with a hawser of adequate strength not less 10 meters in length				YES
2.14.8	One buoyant line not less than 50 meters in length of sufficient strength to tow a liferaft				YES
2.14.9	One first aid outfit of type approved in waterproof case				YES
2.14.10	One waterproof electric torch, suitable for Morse Code signaling, with a spare set of batteries and spare bulb in waterproof container				YES

2.14.11	One signaling whistle or equivalent sound signal	YES
2.14.12	Two buoyant rescue quoits attached to not less than 30 m of buoyant line	YES
2.14.13	One efficient radar reflector	YES
2.14.14	Thermal protective aids (for 10% of persons or 2 persons, whichever is the greater)	YES
2.14.15	One searchlight capable of effectively illuminating a light colored object at night which has width of 18 m at distance of 180m	YES
2.14.16	One searchlight capable of operating continuously for at least 3 hours	YES
ADDITIONAL EQUIPMENT FOR RIGID RESCUE BOATS (Reg. III / 47.2.3)		
2.14.17	Boat hook (1)	YES
2.14.18	Bucket (1)	YES
2.14.19	Knife or hatchet (1)	YES
ADDITIONAL EQUIPMENT FOR INFLATABLE RESCUE BOATS (Reg. III / 47.2.4)		
2.14.20	Buoyant safety knife (1)	N/A
2.14.21	Sponges (2)	N/A
2.14.22	Efficient manually operated bellow pump (1)	N/A
2.14.23	Puncture repair kit in suitable container (1)	N/A
2.14.24	Safety boat hook (1)	N/A
DETAILS OF RESCUE BOAT ENGINE		
2.14.25	Engine type and serial number	Diesel Engine
2.14.26	Fuel tank capacity (liters):	130 liters
2.15	MARKING OF RESCUE BOATS (Reg. III / 41, 47)	
Each boat is marked with:		
2.15.1	Dimensions and number of persons the boat is allowed to carry, permanently marked thereon (Indicate number)	26.5' x 9' x 3.83', 43 PERSONS
2.15.2	Name and Port of registry of the ship to which the rescue boat belongs painted on each side of the bow (yes/no)	YES
2.15.3	Means of identifying the ship to which the rescue boat belongs, visible from above (yes/no)	YES
2.16	RESCUE BOAT LAUNCHING AND RECOVER ARRANGEMENTS (Reg. III / 16)	
	<i>Appliance</i>	<i>Maker, type and serial No.</i>
2.16.1	Crane	N/A
2.16.2	Davit	MAESCO, GRAVITY, 26-15
2.16.3	Winch	MAESCO, 35G MK II
2.16.4	Falls: Length and size <u>300' X 9/16"</u> Construction <u>Improved Plow Steel w/ fiber core</u> Corrosion resistant <u>YES</u> Rotation resistant <u>YES</u> Breaking load <u>14.9 Tons</u>	
2.16.5	Rescue boat capable of being recovered from water with its full complement of persons and equipment at a speed of at least 0.3 m/s	YES
2.16.6	Rescue boat capable of being launched with the ship making headway at speed up to 5 knots	YES

2.17 PERSONAL LIFE-SAVING APPLIANCES (Reg. III / 7;27)				
Appliance		Nos.	Maker, type and serial No.	Location
2.17.1	Lifejackets with whistle and light	41	Safegard	ACCOMODATIONS
2.17.2	Additional lifejackets as in 2.17.2 for person on watch	4	Safegard	NAV BRIDGE, ENGINE ROOM
2.17.3	Additional lifejackets as in 2.17.2 for remote survival craft stations	1	Safegard	BOW
2.17.4	Additional lifejackets as in 2.17.2 for children	N/A	N/A	N/A
2.17.5	Lifebuoys with self-igniting lights only	8	Datrex 30" w/ ACR Lights	WEATHERDECKS
2.17.6	Lifebuoys with light and smoke signals capable of quick release from the bridge	2	Datrex 30" w/ Pains-Wessex Smoke	NAV BRIDGE WING PORT & STBD
2.17.7	Lifebuoys with buoyant line of length not less than twice the height from the stowed position to lightest seagoing waterline or 30 m, whichever is greater	6	Datrex 30" w/ buoyant line	WEATHERDECKS
2.17.8	Lifebuoys without attachments	13	Datrex 30"	WEATHERDECKS
2.17.9	Immersion suits	46	Stearns, Baileys, Fitz-Wright, O'Neill, Mustang	ACCOMODATIONS
2.17.10	Thermal protective aids	N/A		
2.18 RETRO-REFLECTIVE MATERIAL ON LIFE-SAVING APPLIANCES				
2.18.1	All survival craft, lifebuoys and life jackets fitted with retro-reflective material (yes/no)			YES
2.19 SURVIVAL CRAFT, MUSTER, LAUNCHING AND EMBARKATION STATIONS, STOWAGE OF SURVIVAL CRAFT AND RESCUE BOATS (Reg. III / 11, 12, 13, 14, 15) (Indicate yes, no, N/A)				
2.19.1	Muster stations provided close to embarkation stations			YES
2.19.2	Muster and embarkation stations and areas of water into which survival craft and rescue boats are launched are provided with adequate lighting supplied from the emergency source of electrical power			YES
2.19.3	Muster and embarkation stations so arranged as to enable stretcher cases to be placed in survival craft			YES
2.19.4	An embarkation ladder in a single length from the deck to the waterline in the lightest seagoing condition under unfavorable conditions of trim and list is provided at each launching station / at every two adjacent launching stations)+)			YES
2.19.5	Launching stations arranged to be clear of propeller and steeply overhanging portions of the hull			YES
2.19.6	Survival craft and rescue boats stowed so that they and their arrangement will not interfere each other			YES
2.19.7	Means are provided to prevent the discharge of water into survival craft			N/A
2.19.8	If there is a danger of the survival craft being damaged by the ship's stabilizer wings, means are provided, powered by an emergency source of energy, to bring the stabilizer wings inboard			N/A
2.19.9	An indicator operated by an emergency source of energy is provided on the navigating bridge to show the position of the stabilizer wings			N/A
2.19.10	An indicator operated by an emergency source of energy is provided on the navigating bridge to show the position of the stabilizer wings			N/A
2.19.11	At least two lifelines of sufficient length to reach the water with the ship in it lightest seagoing condition are provided to davit spans			YES
2.19.12	Means are provided for holding the davit-launched survival craft against the ship's side			YES
2.19.13	Maximum angle of list against which survival craft can be launched (if great than 20) (Only for oil tankers, chemical tankers and gas carriers)			N/A

3 FIREFIGHTING APPLIANCES IN SPACES CONTAINING MAIN AND AUXILIARY MACHINERY AND BOILERS					
3.1 GENERAL INFORMATION					
3.1.1	Type of propelling machinery:				
3.1.2	Main boilers; number and type:	TWO (2) WATER TUBE	Total number of burners:	3	
3.1.3	Auxiliary boilers; number and type:	N/A	Total number of burners:	N/A	N/A
3.1.4	Total kW of internal combustion machinery used for:				
3.1.4.1	Main propulsion				N/A
3.1.4.2	Auxiliary purposes				300 kW
3.1.5	Engine and boiler rooms are: (Check appropriate box)				
3.1.5.1	Separate				NO
3.1.5.2	Combined				YES
3.2 PUMPS, HYDRANTS, HOSES AND NOZZLES (Reg. II-2 / 4.2; 4.3; 4.4; 4.5; 4.6; 4.7; 4.8)					
	Fire pumps	Location	No.	Capacity	Type of Prime Mover
3.2.1	FIRE & GENERAL SERVICE PUMP	ENGINE ROOM	1	2.18 m3/minute	ELECTRIC MOTOR
3.2.2	SPRINKLER PUMP	ENGINE ROOM	1	5.49 m3/minute	ELECTRIC MOTOR
3.2.3					
3.2.4	Emergency fire pump	CARGO HOLD 3	1	2.18 m3/minute	ELECTRIC MOTOR
3.2.5 Hydrants:					
	Locaton	No.	Diameter	Type of Coupling	
3.2.5.1	Engine room	N/A	N/A	N/A	
	Boiler room	THREE (3)	38 mm	THREADED, BRONZE	
	Tunnel	N/A	N/A	N/A	
3.2.6 Hoses and nozzles:					
	Locaton	No.	Diameter	Type of Coupling	Material
3.2.6.1	Engine room	N/A	N/A	N/A	N/A
3.2.6.2	Boiler room	THREE (3)	38 mm	THREADED, BRONZE	SYNTHETIC RUBBER LINED
3.2.6.3	Tunnel	N/A	N/A	N/A	N/A
3.2.7 Means of starting (for diesel driven emergency pumps)					
3.2.8	Fuel tank capacity, in cubi meters, (for diesel driven emergency pumps)				N/A
3.2.9	Source of emergency power (for electrically driven emergency pumps)- Type and location				DIESEL GENERATOR LOCATED IN EMERGENCY GENERATOR ROOM
3.2.10	Fire main diameter (mm)				150 mm
3.2.11	Relief valves fitted				YES
3.2.12	The pumps listed below are remote controlled from navigating bridge / fire control station (+)				

3.2.13	The pumps listed below are capable of maintaining a permanent pressurization of the fire main system Fire & General Service Pump, Sprinkler Pump, Emergency Fire Pump						
3.2.14	Number and position of hydrants are such that at least two jets of water not emanating from the same hydrant, one of which is from a single length of hose, may reach any part of the main and boiler spaces while the ship is being navigated					YES	
3.3	SAND RECEPTACLES AND SCOOPS OR EQUIVALENT ARRANGEMENT						
3.3.1	In each firing space, there is a sand receptacle with scoop / and approved portable fire extinguisher (+)					YES	
3.4	FIRE EXTINGUISHERS						
	Item	Location	No.	Capacity	Type	Approved by	No. of spare changes
3.4.1	Portable extinguishers	BOILER ROOM	2 4 2 1 1	4 kg 9 kg 9 kg 6 kg 4 kg	DRY CHEMICAL DRY CHEMICAL CO2 CO2 CO2	UL UL UL UL UL	
3.4.2	Non-portable extinguishers	BOILER ROOM, CO2 HOSE REEL	1	200 LBS	CO2	UL	
3.4.3	Portable foam applicators	VOID COMPARTMENT, NO. 5 TWEEN DECK FR 244 P	1	9 each @ 1.9 liters	3% AFFF	UL	

(+) Delete as appropriate

3.5	FIXED FIRE-EXTINGUISHING INSTALLATIONS				
	Type of fixed fire-extinguishing system fitted				
3.5.1	(a) Engine Room	(b) Boiler Room	(c) Pump Room	(d) Cargo Pump Room	
	N/A	FIXED CO2	N/A	N/A	
3.5.2	Fixed CO ₂ fire-extinguishing system in machinery spaces (Reg. II-2 / 5.1; 5.2)				
3.5.2.1	Total required CO ₂ quantity: 15,900 LBS		Type of audible warning: SIREN		
	Bottles / Storage vessels (+)		Location of:		
3.5.2.2	No.	Quantity each	Bottle Storage Room	Release mechanism	Control valves
	159	100 LBS	CO2 ROOM	Local & Remote	CO2 Room
3.5.3	Fixed Halon fire-extinguishing system in machinery spaces (Reg. II-2 / 5.1; 5.3)				
3.5.3.1	Total required Halon quantity: N/A		Type of audible warning: N/A		
	Storage containers		Halon	Location of:	
3.5.3.2	No.	Quantity each	1301 or 1211	Storage Containers	Release mechanism (*)
					Control valves
(*) In the case of secondary systems, indicate also whether automatic (A) or manually operated (M) release system is provided					
3.5.3.3	Type of propellant gas:		System approved by:		

3.5.4 Fixed foam fire-extinguishing system in machinery spaces (Reg. II-2/9)				
3.5.4.1	Foam Characteristics	Type	Quantity (liters)	Maker
		N/A	N/A	N/A
3.5.4.2	Foam Solution	Application rate (l / min)	Concentration ratio	Expansion ratio
		N/A	N/A	N/A
3.5.4.3	Pump serving system	Type and location	Capacity (m ³ /h)	
		N/A	N/A	
3.5.4.4	Location of controls: N/A		System approved by: N/A	
3.5.4.5	Location of foam tanks: N/A			
3.5.4.6	Manufacturer's service instruction manual for the system provided			N/A
3.5.5 Fixed pressure water-spraying fire-extinguishing system in machinery spaces (Reg. II-2 /10)				
3.5.5.1	Pump serving system	Type and location	Capacity (m ³ /h)	
		N/A	N/A	
3.5.5.2	Charge Pressure	Application rate (l/m -min)	Nozzles - Type and Maker	
	N/A	N/A	N/A	

(+) Delete as appropriate

3.5.5.3	Spaces protected: N/A			
3.5.5.4	Location of controls: N/A		System approved by: N/A	
3.5.6 Special arrangements in machinery spaces (Reg. II-2 / 11)				
Means for stopping machinery and shutting off oil fuel suction pipes (Indicate means and location)				The following can be closed from outside the space concerned (yes, no, N/A)
Ventilating fans	REMOTE STOPS			
Induced draft fans	N/A			Ventilator dampers YES
Forced draft fans	REMOTE STOPS			Funnel annular spaces N/A
Oil fuel transfer pumps	REMOTE STOPS			Skylight N/A
Oil fuel units	REMOTE STOPS			Doorways N/A
Oil fuel tank valves	MANUAL VALVES			Tunnel door N/A

4 FIRE FIGHTING APPLIANCES IN CARGO SPACES AND ON CARGO TANK DECK AREA

4.1 SHIPS OTHER THAN OIL TANKERS, CHEMICAL TANKERS, COMBINATION CARRIERS & GAS CARRIERS	
4.1.1	Type of fire-extinguishing system in cargo spaces (not required for cargo ships of less than 2000 tons gross tonnage except for Ro/Ro cargo spaces for which item 8.2 applies and for ships engaged in the carriage of dangerous goods)
	FIXED CO2 SYSTEM & WATER SPRINKLER SYSTEM

4.1.2 Fixed CO ₂ fire-extinguishing system for cargo spaces (Reg. 11-2 / 5.1; 5.2)							
Protected Space	Total Co ₂ quantity required	No.	Quantity each	Bottle storage room	Release mechanism	Control Valves	Type of audible warning
CARGO HOLD NO. 1	12,900 LBS	129	100 LBS	CO2 ROOM	LOCAL	LOCAL	SIREN
CARGO HOLD NO. 2	17,900 LBS	179	100 LBS	CO2 ROOM	LOCAL	LOCAL	SIREN
CARGO HOLD NO. 2A	15,900 LBS	159	100 LBS	CO2 ROOM	LOCAL	LOCAL	SIREN
CARGO HOLD NO. 3	15,900 LBS	159	100 LBS	CO2 ROOM	LOCAL	LOCAL	SIREN
CARGO HOLD NO. 5	10,300 LBS	103	100 LBS	CO2 ROOM	LOCAL	LOCAL	SIREN

4.1.3 If no extinguishing system is fitted for cargo holds, both the conditions in 4.1.3.1 and 4.1.3.2 apply:

4.1.3.1	Hatch covers are of steel and effective means are provided for closing all ventilators and other openings leading to holds	N/A
4.1.3.2	The ship is constructed and solely intended for carrying ore, coal, grain and unseasoned timber and non combustible cargoes or cargoes which are considered to constitute a low fire risk	N/A
4.1.4	Ventilator fans can be stopped and doorways, ventilators, and all other openings to cargo spaces can be closed from outside the space concerned.	YES
4.1.5	Fixed Halon fire-extinguishing system(s) for cargo spaces (Reg. 11-2 / 5.1; 5.3)	N/A

Protected Space	Total Halon quantity required	Halon 1301 or 1211	Halon containers		Location of:			Type of audible warning
			No.	Quantity each	Halon containers	Release mechanism	Control Valves	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(*) In the case of secondary systems, indicate also whether automatic (A) or manually operated (M) release system is provided

4.1.6	Automatic stop for all ventilation fans serving the spaces protected by the Halon system is provided				N/A
4.1.7	Fixed foam fire-extinguishing system for cargo or service spaces (Reg. II-2 / 9; 61)				
4.1.7.2	Foam characteristics	Type	Maker	Quantity (liters)	Location of foam tanks
		N/A		N/A	N/A
		Application rate (l / min)		Concentration ratio	Expansion ratio
		N/A		N/A	N/A
4.1.7.3	Pumping serving system	Type and location		Capacity (m ³)	Location of controls
		N/A		N/A	N/A
4.1.7.4	Location of systems controls; N/A			System approved by: N/A	
4.1.7.5	Manufacturer's service instruction manual is provided				N/A

4.1.8 Fixed pressure water spraying system(s) for cargo or service spaces Reg. 11-2/0

4.1.8.1		Type and location	Capacity (m ³ /h)
	Pump serving system	SPRINKLER PUMP, LOWER ENGINE ROOM	1450 GPM

4.1.8.1	Charge Pressure 80 psi	Application rate (l/m -min)	Nozzles - Type and Maker			
4.1.8.3	Spaces protected: Second Deck					
4.1.8.4	Location of systems controls: FIRE CONTROL ROOM		System approved by: ABS & USCG			
4.1.9	Water fire fighting system (Reg. II-2 / 4) (for fire pumps characteristics see 3.2)					
4.1.9.1	Fire main diameter (mm)	150 mm				
4.1.9.2	Location of isolating valves to separate the section of the fire main within the machinery spaces: Lower Boiler Room & Upper Boiler Room Frame 169 C					
4.1.9.3	Hydrants (Reg. II-2 / 4.5; 4.6)					
	Location	No.	Diameter (mm)	Type of Prime Mover		
	MAIN DECK SECOND DECK	16 10	65 mm 65 mm	ELECTRIC MOTOR ELECTRIC MOTOR		
4.1.9.4	Hoses and Nozzles (Reg. II-2 4.7; 4.8)					
	Location	No.	Diameter (mm)	Length (m)	Material	Type of nozzle
	MAIN DECK SECOND DECK	16 10	65 mm 65 mm	15 m 15 m	SYN. RUBBER LINED SYN. RUBBER LINED	BRONZE MULTI-PURPOSE BRONZE MULTI-PURPOSE
4.1.10	Fire extinguishers (Reg. II-2 / 6:7)					
4.1.10.1	Portable extinguishers					
	Location	No.	Type	Capacity	Approved by	No. of spare charges
	MAIN DECK	1	DRY CHEMICAL	4 kg	UL	
	SECOND DECK	11	DRY CHEMICAL	9 kg	UL	
	THIRD DECK	11	DRY CHEMICAL	9 kg	UL	
		1	CO2	6 kg	UL	
	EMERGENCY GEAR LOCKER #1	2	CO2	7 kg	UL	SPARES
		2	DRY CHEMICAL	9 kg	UL	SPARES
		1	DRY CHEMICAL	2 kg	UL	SPARES
		1	DRY CHEMICAL	1 kg	UL	SPARES
	EMERGENCY GEAR LOCKER #2	2	CO2	6 kg	UL	SPARES
	FIRE CONTROL ROOM	2	CO2	6 kg	UL	SPARES

4.1.10.2	Non-Portable extinguishers				
<i>Location</i>	<i>No.</i>	<i>Type</i>	<i>Capacity</i>	<i>Approved by</i>	<i>No. of spare charges</i>

4.2 OIL TANKERS, CHEMICAL TANKERS, COMBINATION CARRIERS AND GAS CARRIERS

	Deadweight (tons)	Type of cargo	Flash point of cargo
4.2.1	N/A	N/A	Exceeding / Not exceeding 60 C(+)

4.2.2 Cargo tank protection (Ch. 2-11, Reg. 60)

N/A

Fixed system(s) to protect tanks internally	Inert Gas	N/A	Fixed system(s) to protect tanks externally	Inert Gas	N/A
	Foam	N/A		Foam	N/A

4.2.3 Inert Gas System (Reg. II - 2 / 62)

4.2.3.1	Type of System (*)	N/A	Approved By:		Instruction Manual Provided	
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(*) State whether flue gas (FG), gas generator (GC) or gas turbine (GT) system is fitted

4.2.3.2	General requirements for all inert gas systems				
(a)	The system is capable of producing a gas delivery rate of at least 125% of the maximum rate of discharge capacity of cargo pumps				N/A
(b)	Gas scrubber location:				N/A
(c)	Number and location of gas blowers:				N/A
(d)	Location of gas regulating valve:				N/A
(e)	Location of deck waterseal:				N/A
(f)	Type and location of other non-return devices				N/A
(g)	Each cargo tank may be isolated by a stop valve / a blank space (+)				N/A
(h)	Blank flanges are provided to isolate slop tanks (only for combination carriers)				N/A
(i)	Satisfactory tank ventilation arrangements/arrangements for purging of empty tanks are provided				N/A
(m)	Number and location of pressure-vacuum devices:				N/A
(n)	Satisfactory means are provided for continuously indicating the inert gas temperature and pressure at the discharge side blowers when they are operating				N/A
(o)	Instrumentation and alarms as per operating and service manual are provided				N/A
(p)	A closed ullage system is provided				N/A

4.2.3.3	Instruments for measuring oxygen and flammable vapors concentration in the inert gas				
(a)	Number, maker and type of portable explosion meters:				N/A
(b)	Number, maker and type of portable oxygen level meters:				N/A
(c)	Number and location of flue gas isolating valves (only for flue gas system):				N/A
(d)	Number and location of fuel oil pumps (only for gas generator and gas turbine systems):				N/A
4.2.4	Gas warning system on combination carriers (Reg. II-2 / 59.3.3)				
4.2.4.1	An approved fixed gas warning system is provided				N/A
(a)	In the cargo pump room(s)				N/A
(b)	In the pipe ducts				N/A
(c)	In the cofferdams adjacent to slop tanks				N/A
4.2.5	Fixed foam system to protect tanks internally (Reg. II-2 / 61)				N/A
4.2.5.1	Foam Characteristics	Type	Maker	Quantity (liters)	Location of foam tanks
4.2.5.2	Foam Solution	Application rate (1 / min)		Concentration ratio	Expansion ratio
4.2.5.3	Spaces protected: N/A				
4.2.5.4	Pumps serving system: N/A			System approved by: N/A	
4.2.6	Fixed deck foam system (Reg. II-2 / 61)				
4.2.6.1	Foam Characteristics	Type	Maker	Quantity (liters)	Location of foam tanks
4.2.6.2	Foam Solution	Application rate (1 / min)		Concentration ratio	Expansion ratio
4.2.6.3	Means of supply (monitors)	No.	Capacity (l / min)	Maker and Type	
4.2.6.4	Means of supply (foam applicator)	No.	Capacity (l / min)	Maker and Type	
4.2.6.5	No. of hydrants	No. of hoses		No. of nozzles	
4.2.5.6	Pumps serving system: N/A			System approved by: N/A	
4.2.6.7	Isolating valves fitted immediately forward of deck monitors				N/A
4.2.6.8	Fire main and deck foam are combined systems				N/A

4.2.7 Dry power system for gas carriers (IGC Code GC Code; Art. 11.4) and chemical tankers (IBC Code / BCH Code: paras 11.3.2/3.14.2; 11.3.13 and Ch 17/6)

Protected deck area	Storage containers			Location of remote control station	Number of hoses and monitors
	Number	Capacity of each container	Location		

4.2.8 Fixed water-spraying system for gas carriers (IGC Code / GC Code: Are. 11.3)

4.2.8.1	Pump serving system	Type and location	Capacity (m ³ /h)
		N/A	N/A
4.2.8.2	Working pressure	Nozzles-Type and Maker	
	N/A	N/A	
4.2.8.3	Spaces protected and relevant application rates (l/m ² min.) N/A		
4.2.8.4	Location of system controls: N/A		System approved by: N/A

5 FIRE FIGHTING APPLIANCES IN ACCOMMODATION AND SERVICE SPACES

5.1 WATER FIRE-FIGHTING SYSTEM (Reg. II-2 / 4) (for fire pumps number and characteristics see 4.2)

5.1.1 Hydrants (Reg. 11- /4.5; 4.6)

Location	No.	Diameter (mm)	Type of coupling
NAV BRIDGE	1	One (1) 65 mm	THREADED, BRONZE
LOWER NAV BRIDGE DECK	1 / 1	One (1) 38 mm, One (1) 65 mm	THREADED, BRONZE
BOAT DECK	1 / 2	One (1) 38 mm, Two (2) 65 mm	THREADED, BRONZE
CABIN DECK	1 / 2	One (1) 38 mm, Two (2) 65 mm	THREADED, BRONZE
UPPER DECK	1 / 2	One (1) 38 mm, Two (2) 65 mm	THREADED, BRONZE

5.1.2 Hoses and nozzles (Reg. II-2 / 4.7; 4.8)

Location	No.	Diameter	Length	Material	Type of nozzle
NAV BRIDGE	1	38 mm	20 m	SYNTHETIC RUBBER LINED	BRONZE MULTI-PURPOSE
LOWER NAV BRIDGE DECK	1 / 1	38 mm/65 mm	20 m / 15 m	SYNTHETIC RUBBER LINED	BRONZE MULTI-PURPOSE
BOAT DECK	1 / 2	38 mm/65 mm	20 m / 15 m	SYNTHETIC RUBBER LINED	BRONZE MULTI-PURPOSE
CABIN DECK	1 / 2	38 mm/65 mm	20 m / 15 m	SYNTHETIC RUBBER LINED	BRONZE MULTI-PURPOSE
UPPER DECK	1 / 2	38 mm/65 mm	20 m / 15 m	SYNTHETIC RUBBER LINED	BRONZE MULTI-PURPOSE

5.1.2	Hoses and nozzles (Reg. II-2 / 4.7; 4.8) - Contd.....					
	<i>Location</i>	<i>No.</i>	<i>Diameter</i>	<i>Length</i>	<i>Material</i>	<i>Type of nozzle</i>
5.2	FIRE PROTECTION, FIRE DETECTION AND ALARM SYSTEMS					
5.2.1	Method of fire protection adopted in accommodation and service spaces (Reg. II-2 / 42; 52)					
5.2.1.1	Method IC is adopted (*)		N/A			
5.2.1.2	Method IIC is adopted (**)		N/A			
5.2.1.3	Method IIIC is adopted (***)		N/A			
<p>(*) Method IC means that: A fixed fire detection and fire alarm system of an approved type is installed and so arranged as to provide smoke detection. Manually operated call points are provided in all corridors, stairways, and escape routes within accommodation spaces.</p> <p>(**) Method IIC means that: An automatic sprinkler fire detection and fire alarm system of an approved type is installed and so arranged as to protect accommodation spaces, galleys and other service spaces, except spaces which afford no substantial fire risk, such as void space, sanitary spaces, etc. in addition to the systems required for method IC above.</p> <p>(***) Method IIIC means that: A fixed fire detection and fire alarm system of an approved type is installed and so arranged as to detect the presence of fire in all accommodation spaces and service spaces, except spaces which afford no substantial fire risk such as void spaces, sanitary spaces, etc.</p>						
5.2.2	Fixed fire detection and fire alarm system(s) (Reg. II-2 / 13) (for location of detectors and alarms, see the approved fire control plans posted on board ship)					
5.2.2.1	Fire detectors:					
	<i>Maker and type</i>	<i>Number</i>	<i>Space Covered</i>			
	SCANTEC ST960 SMOKE DETECTOR	3	CARGO HOLD NO. 1			
	SCANTEC ST960 SMOKE DETECTOR	5	CARGO HOLD NO. 2			
	SCANTEC ST960 SMOKE DETECTOR	4	CARGO HOLD NO. 2A			
	SCANTEC ST960 SMOKE DETECTOR	4	CARGO HOLD NO. 3			
	SCANTEC ST960 SMOKE DETECTOR	3	CARGO HOLD NO. 5			
5.2.2.2	Fire alarms:					
	<i>Maker and type</i>	<i>Number</i>	<i>Space Covered</i>			
	STEEL BELL WITH CLAPPER	Thirteen (13) Eight (8) Seven (7) Seven (7)	ACCOMMODATIONS SERVICE SPACES BOILER ROOM CARGO HOLDS			
5.2.2.3	Location of control panel:					
5.2.2.4	Location(s) of indicating units: FIRE CONTROL ROOM					
5.2.2.5	Visual and audible signal provided at the control panel for fault in power of electric circuits					YES
5.2.2.6	A fire and/or general alarm is automatically activated throughout accommodation spaces, service space and control stations if a fire signal is not acknowledged within 2 minutes					N/A
5.2.2.7	Manually operated call points installed throughout accommodation spaces, service spaces, and control stations					N/A
5.2.2.8	Suitable instructions and component spares for testing and maintenance are provided					YES
5.2.2.9	Automatic release arrangement are provided at the control station for self-closing of fire doors					N/A

5.2.3 Automatic sprinkler fire detection and fire alarm system (Reg. II-2 / 12)

	Spaces protected	Automatic independent power pump			Location of stop valves
		Location	Capacity	Sources of Power	
5.2.3.1	N/A				
5.2.3.2	Source of emergency power for electrically driven pump: N/A				
5.2.3.3	Location of the source mentioned in 4.2.3.2 above: N/A				
5.2.3.4	Fresh water tank capacity (m ³)				N/A
5.2.3.5	Sprinkler heads manufacturer: N/A Sprinkler heads type: N/A Sprinkler heads approved by: N/A				
5.2.3.6	Sufficient amount of sprinkler head spares are provided				N/A
5.2.3.7	Audible and visual alarms for each section of sprinklers located at: N/A				
5.2.3.8	Section isolating stop valves located at: N/A				
5.2.3.9	Cross connection valve to the fire main located at: N/A				
5.2.3.10	The section isolating stop valves are normally locked				N/A
5.2.3.11	A plan showing the various sections of sprinklers and instructions for the use of system are provided				N/A

5.2.4 Fire extinguishers in accommodation and service spaces and weather decks

Location	No.	Type	Capacity	Approved by	Spare charges
NAV BRIDGE DECK	1	CO2	6 kg	UL	
LOWER NAV BRIDGE DECK	1	Dry Chem	4 kg	UL	
BOAT DECK	1	Dry Chem	4 kg	UL	
CABIN DECK	1	Dry Chem	4 kg	UL	
UPPER DECK	1	CO2	6 kg	UL	
	4	Dry Chem	4 kg	UL	

5.3 FIRE-EXTINGUISHING ARRANGEMENTS FOR THE PROTECTION OF PAINT LOCKERS AND FLAMMABLE LIQUID LOCKERS		
<i>Location</i>	<i>Area of locker (m²)</i>	<i>Fixed system (type) / fire extinguishers (No.)</i>
PAINT LOCKER, MAIN DECK STARBOARD SIDE FRAME 180	28.5 m2	ONE (1) CO2 BOTTLE, 75 LB

6 OTHER FIRE FIGHTING APPLIANCES



6.1 FIREMAN'S OUTFITS						
	<i>No.</i>	<i>Location of each outfit</i>	<i>No.</i>	<i>Location of each outfit</i>		
6.1.1	2	SCBA & FIREMANS LOCKER				
	2	EMERGENCY GEAR LOCKER #1				
	1	EMERGENCY GEAR LOCKER #2				
	1	FOAM LOCKER				
	1	CHIEF MATE STATEROOM				
	1	1 A/E STATEROOM				
	1	3rd MATE STATEROOM				
6.1.2	Each outfit consists of:					
6.1.2.1	Protective clothing of material the skin from heat radiating from the fire and from burns and scalding by steam. The outer surface is water-resistant.				YES	
6.1.2.2	An electric safety lamp (and lantern with a minimum burning period of hours) of an approved type				YES	
6.1.2.3	Boots and gloves of rubber or other electrically non-conducting material				YES	
6.1.2.4	A breathing apparatus of an approved type with lifeline and safety belt				YES	
6.1.2.5	A rigid helmet providing effective protection against impact				YES	
6.1.2.6	An axe				YES	
6.1.3	Self-contained breathing apparatus (Reg. II-2 / 17.1.2)					
<i>No.</i>	<i>Type</i>	<i>Manufacturer</i>	<i>Free air storage capacity (liters)</i>	<i>Functioning period (min.)</i>	<i>Approved by</i>	<i>No. of spare cylinders (*)</i>
12	SCBA	SURVIVAIR	30 LITERS	30 MINUTES	NIOSH	12
(*) As an alternative to the spare cylinders, approved recharging facilities are provided, with at least one spare cylinder to each apparatus fitted						
6.1.4	Smoke helmets or smoke masks with air pumps and hoses (Reg. II-2 / 17.2.1)					
<i>No.</i>	<i>Location</i>	<i>Type</i>	<i>Manufacturer</i>	<i>Hose length</i>	<i>Approved by</i>	

6.2	INTERNATIONAL SHORE CONNECTION (Reg. II-2 / 19)
6.2.1	<p>Number and locations of international shore connections on board are the following:</p> <p>Two (2) fitted. Located Second Deck Frame 187 Port & Starboard</p>

7 SPECIAL ARRANGEMENTS FOR CERTAIN SHIPS

7.1	SHIPS WITH PERIODICALLY UNATTENDED MACHINERY SPACES (Regs. II-1/51 and II-2/14)	
7.1.1	A fixed fire detection and fire alarm system of an approved type is provided for protection of periodically unattended machinery spaces	N/A
7.1.2	An audible and visual alarm is activated on the navigating bridge in case of fire signal	N/A
7.1.3	An audible and visual alarm is activated in the office of a responsible engineer officer in case of fire signal	N/A
7.1.4	When the navigation bridge is unmanned, the audible and visual alarm, in case of a fire signal, is activated in the place where a responsible crew member is on duty	N/A
7.1.5	Remote controls of sea inlets, discharges below the waterline or bilge injections, installed in unattended machinery places, are located as follows: N/A	
7.2	SHIPS WITH SPECIAL CATEGORY SPACES AND OTHER CARGO SPACES INTENDED FOR THE CARRIAGE OF MOTOR VEHICLES WITH FUEL IN THEIR TANKS FOR THEIR OWN PROPULSION (Reg. II-2 / 37; 38; 53.2)	
7.2.1	A fixed fire detection and fire alarm system of an approved type is provided for protection of vehicle spaces	YES
7.2.2	Fire extinguishing arrangements as required by Regulation II-2/37 or II-2/38, as appropriate are provided for protection of vehicle spaces	YES
7.2.3	Vehicle spaces protected by a pressure water spraying fire-extinguishing system are provided with special drainage and pumping arrangements (alternative to 7.2.4)	YES
7.2.4	Stability information about possible build-up of the free surfaces due to operation of the fire-extinguishing system mentioned in 7.2.3 are contained in the Stability Booklet approved (alternative 7.2.3)	YES
7.2.5	Portable fire extinguishers are fitted at each access to vehicle spaces	YES
7.2.6	Each special category space is provided with at least 3 water fog applicators and 1 portable foam applicator (at least 2 portable foam applicators are available on board)	YES
7.2.7	Vehicle spaces are provided with power ventilation system	YES
7.2.8	Number of air changes per hour provided by the ventilation system mentioned in 7.2.7 (not less than 6)	YES
7.2.9	Any loss of ventilation in the vehicle spaces is indicated on the navigating bridge	NO

9 EQUIPMENT RENEWALS, ALTERATIONS AND/OR ADDITIONS EFFECTED SINCE THE RECORD WAS PREPARED

Item number (*)	DESCRIPTION	Surveyor	Port	Date
2,2,1	SATELLITE EPIRB (RENEWED - ACR MOD. RLB-32 S/N 49989 PLACED IN SERVICE 16 FEB 2007	 D.R. CARR 	JACKSONVILLE FL	23/02/07

(*) Reference is to be made to the items of this record